



Section E

Advanced Reactors Transition

PROJECT MANAGERS

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SUMMARY

The Advanced Reactors Transition (ART) Program, WBS 1.12.1.1, PBS RL-TP11, consists of the 309 Building and the Nuclear Energy (NE) Legacies activities.

NOTE: Cost/Schedule data contained herein is as of July 31, 2000. All other information is as of August 14, 2000, unless otherwise noted.

In July the ART mission area technical accomplishments included continued surveillance and maintenance activities on the 309 Building and NE Legacy facilities. Reaction of residual NaK in the “loop side” of the 337B cold trap cooling system was completed. The initial water flush of the “loop side” has also been completed. Since the pH of the flush water was 12.1, it will be drummed for transport to TEDF. The second flush is now underway.

Fiscal-year-to-date milestone performance (EA, DOE-HQ, and RL) shows that there are no milestones due.

ACCOMPLISHMENTS

- Continued surveillance and maintenance activities on 309 Building and NE legacies.
- Reaction of residual NaK in the “loop side” of the 337B cold trap cooling system was completed. The initial water flush of the “loop side” has been completed and the second flush is now underway.

SAFETY

Safety data for ART is included in a separate FFTF report.

CONDUCT OF OPERATIONS / ISMS STATUS **CONDUCT OF OPERATIONS**

Conduct of operations data for ART is included in a separate Fast Flux Test Facility (FFTF) report.

ISMS STATUS

The DOE ISMS Phase 2 report was favorable.

BREAKTHROUGHS / OPPORTUNITIES FOR IMPROVEMENT

No breakthroughs or opportunities for improvement have been identified at this time.

UPCOMING ACTIVITIES

- Continue with cleaning of the sodium potassium (NaK) residuals from the 337B Building cold trap cooling loop.
- Initiate Fuel Transfer Pit cleanout in the 309 Building/PRTR facility.

COST PERFORMANCE (\$M):

	BCWP	ACWP	VARIANCE
Advanced Reactors Transition	\$1.2	\$1.1	\$0.1

The favorable \$0.1M (11 percent) cost variance is due to no significant corrective maintenance activities required.

SCHEDULE PERFORMANCE (\$M):

	BCWP	BCWS	VARIANCE
Advanced Reactors Transition	\$1.2	\$1.3	-\$0.1

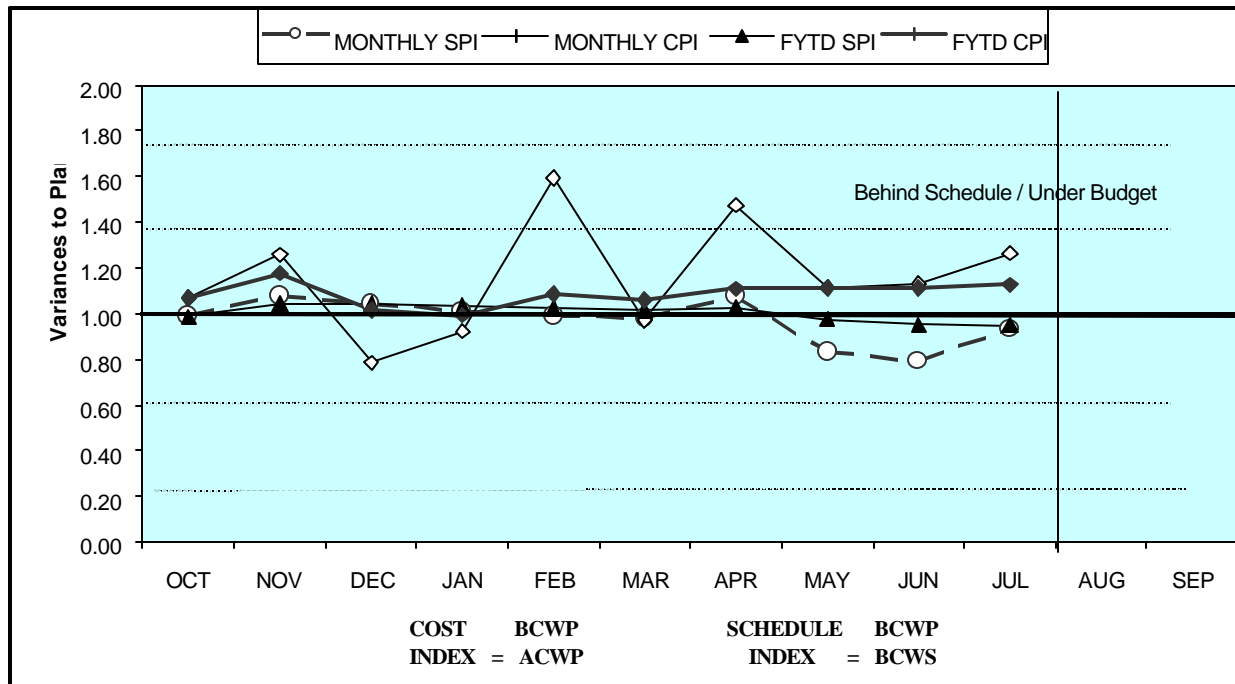
The unfavorable \$0.1M (5 percent) schedule variance was primarily contributed to by NE Legacies occupancy where BCWP was understated. In the 309 Building some cleanout tasks were temporarily delayed.

FY 2000 COST/SCHEDULE PERFORMANCE – ALL FUND TYPES

CUMULATIVE TO DATE STATUS – (\$000)

		FYTD									
By PBS		BCWS	BCWP	ACWP	SV	%	CV	%	PEM	EAC	
PBS TP11	Advanced										
WBS 1.12	Reactors	\$ 1,288	\$ 1,222	\$ 1,083	\$ (66)	-5%	\$ 139	11%	\$ 1,673	\$ 1,318	
	Transition										
	Total	\$ 1,288	\$ 1,222	\$ 1,083	\$ (66)	-5%	\$ 139	11%	\$ 1,673	\$ 1,318	

COST/SCHEDULE PERFORMANCE INDICES (MONTHLY AND FYTD)



FY 2000	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MONTHLY SPI	0.99	1.08	1.05	1.01	0.99	0.98	1.08	0.83	0.79	0.93		
MONTHLY CPI	1.07	1.26	0.79	0.92	1.59	0.97	1.47	1.12	1.13	1.26		
FYTD SPI	0.99	1.04	1.04	1.03	1.02	1.01	1.02	0.98	0.95	0.95		
FYTD CPI	1.07	1.18	1.02	0.99	1.09	1.06	1.11	1.11	1.11	1.13		
MONTHLY BCWS	\$79	\$113	\$88	\$93	\$116	\$139	\$116	\$254	\$146	\$144	\$196	\$191
MONTHLY BCWP	\$78	\$122	\$92	\$94	\$115	\$136	\$125	\$211	\$115	\$134		
MONTHLY ACWP	\$73	\$97	\$117	\$102	\$72	\$140	\$85	\$189	\$102	\$106		
FYTD BCWS	\$79	\$192	\$280	\$373	\$489	\$627	\$743	\$997	\$1,143	\$1,286	\$1,483	\$1,673
FYTD BCWP	\$78	\$200	\$292	\$386	\$501	\$637	\$761	\$972	\$1,088	\$1,222		
FYTD ACWP	\$73	\$170	\$287	\$389	\$461	\$601	\$686	\$875	\$977	\$1,083		

COST VARIANCE ANALYSIS: (+\$0.1M)

WBS/PBS

Title

1.12/TP11 Advanced Reactors Transition

Description and Cause: All Surveillance and Maintenance (S&M) resources were level loaded for the year. To date, no significant corrective maintenance activities have been required.

Impact: None.

Corrective Action: None.

SCHEDULE VARIANCE ANALYSIS: (-\$0.1M)

WBS/PBS Title

1.12/TP11 Advanced Reactors Transition

Description and Cause: The unfavorable \$0.1M (5 percent) schedule variance was primarily contributed to by NE Legacies occupancy where BCWP was understated. In the 309 Building some cleanout tasks were temporarily delayed.

Impact: None.

Corrective Action: None.

FUNDS MANAGEMENT FUNDS VS SPENDING FORECAST (\$000) FY TO DATE THROUGH JULY 2000 (FLUOR HANFORD, INC. ONLY)

	Project Completion *			Post 2006 *			Line Items *		
	Expected Funds	FYSF	Variance	Expected Funds	FYSF	Variance	Expected Funds	FYSF	Variance
The River									
1.12 Advanced Reactors (EM)				\$ 4,188	\$ 4,017	\$ 171			
Total Advanced Reactors Operating				\$ 4,188	\$ 4,017	\$ 171			
Total Advanced Reactors Line Item									

*Control Point

ISSUES

There is nothing to report at this time.

BASELINE CHANGE REQUESTS CURRENTLY IN PROCESS

PROJECT CHANGE NUMBER	DATE ORIGIN	BCR TITLE	FY00 COST IMPACT \$000	SCH	TECH	DATE TO CCR	CCB APP'D	RL APP'D	CURRENT STATUS
		Nothing to report.							
ADVANCE WORK AUTHORIZATIONS									
		Nothing to report.							

MILESTONE ACHIEVEMENT

Fiscal-year-to-date milestone performance (EA, DOE-HQ, and RL) shows that there are no milestones due.

Tri-Party Agreement / EA Milestones
Nothing to report.
DNFSB Commitments
Nothing to report.

MILESTONE EXCEPTION REPORT

<u>Number/WBS</u>	<u>Level</u>	<u>Baseline</u>	<u>Forecast</u>
<u>Date</u>		<u>Milestone Title</u>	<u>Date</u>

OVERDUE – 0

FORECAST LATE – 0

PERFORMANCE OBJECTIVES

Nothing to report at this time.

KEY INTEGRATION ACTIVITIES

Nothing to report at this time.